### DESIGN DATA

**Design:** AASHTO LRFD Bridge Design Specifications, 4th edition with California Amendments

**LTS:** Varied surcharge on level ground surface

**CT:** 5kips maximum traffic impact loading evenly distributed over 10 feet at top of the barrier and 100 psi distribution down and outward

**E0:** Mononobe-Oilube Method

\[ \begin{align*} 
K_T & = 0.42 \\
K_U & = 0.40 \\
S & = 0.34 \\
\end{align*} \]

- Reinforced Concrete: \( f'_c = 3600 \) psi
- Soil: \( f_y = 50,000 \) psi

### Notes:

1. For calculating wall architectural finish, see details elsewhere in Project Plans.
2. Design data will be reviewed and approved by the Registered Civil Engineer for the Project.
3. The Registered Civil Engineer for the project is responsible for the selection of reinforced concrete for any given segment of the barrier.
4. For details not shown and drainage notes, see details elsewhere in Project Plans.
5. The maximum interior spacing shown in the tables.
6. The barrier detail is designed to resist 1.33 Td assuming 1.50 psi surcharge on level ground surface.
7. The maximum interior spacing shown in the tables.
8. For H = 6', provide \( 6 \times 12\) @ 10'-0" @ bar over a distance of 8'-0" measured from all expansion joints, begin wall and end wall locations. For H = 8', continue bar into footing and reduce bar length as needed to maintain 3'-0" cover.

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**ELEVATION**

No Scale

**NOTE:**

The "hb", "hc", "hd", "he" above bars indicate distance from top of footing to upper end of the bars, see table.

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**DETAIL A - WITH HAUNCH**

For details not shown, see "DETAIL A - WITHOUT HAUNCH"